

STRUCTURAL AND BEND LOSS COMPUTATION FORM [SAMPLE]	FIGURE 10-F
	BDC97MR006

Computed: _____ Date: _____

Checked: _____ Date: _____

Route: _____
 Section: _____
 County: _____

(1)	(2)	Q (3)	v (4)	V ² 2g (5)	(6)	(7)	K _s (8)	H _s (9)	A (10)	K _b (11)	H _b (12)	H _s + H _b (13)
Junction Station & Offset	Downstream Dia. m	Downstream Flow m ³ /S	Downstream Velocity m/s	Velocity Head m	Junction Type (L,N or O)	Flow Type (P or O)	Structural Loss Coeff.	Structural Loss m	Angle deg.	Bend Factor	Bend Loss m	Structural Loss + Bend Loss m
6	--	--	0	0	--	--		--	--	--	--	--
5	0.450	0.1324	0.83	0.035	N	P	0.3	0.01	11	0.15	0.01	0.02
4	0.375	0.1324	1.20	0.073	N	P	0.3	0.02	37	0.41	0.03	0.05
3	0.375	0.0997	0.91	0.042	L	P	1.0	0.042	28	0.33	0.01	0.052
		0.0997	--	--				--	--	--	--	--
2	0.375	0.0245	0.22	0.002	N	P	--	--	--	--	--	--
1	0.375	0.0997	0.91	0.042	N	P	--	--	--	--	--	--

H_s = Structural Loss = K_s X $\frac{(V)^2}{2g}$, K_s from Table 10-08

H_b = Bend Loss = K_b X $\frac{(V)^2}{2g}$, K_b from Figure 10-G

- NOTES: 1) Junction Type
 L = with Lateral
 N = with No Lateral
 O = with Opposed Laterals
- 2) Flow Type
 P = Pressure
 O = Open Channel